

**Abstract**

A process is described for the preparation of  $\text{LiAlH}_4$  solutions, in which lithium hydride reacts with an  
5 aluminium halide in diethyl ether to give lithium  
aluminium hydride, the lithium halide which arises is  
separated off, and wherein a solvent the complexing  
energy of which with  $\text{LiAlH}_4$  is greater than the  
complexing energy of diethyl ether with  $\text{LiAlH}_4$  is then  
10 added, and the diethyl ether is removed by distillation.